

# TISA & TPEG

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# Introduction to TISA

- Background
- Vision & objectives
- Structure & activities
- Committees
- Development topics
- Standardisation
- Upcoming TISA events



# Traveller Information Services Association

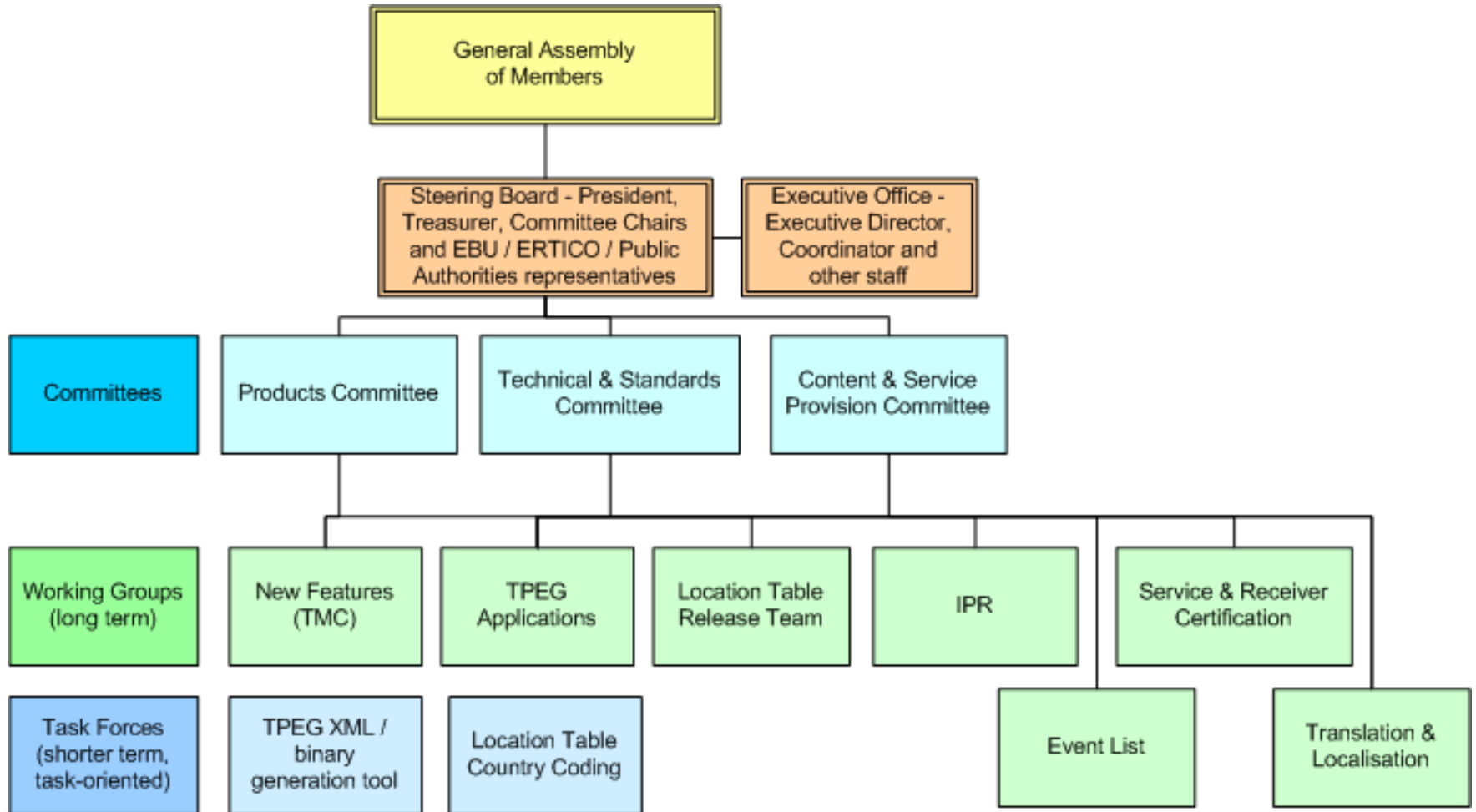
- Launched Nov. 2007 - Not for profit, hosted by ERTICO
- Takes over activities of TMC Forum, TPEG Forum and German Mobile.Info project - custodian of mobile.info deliverables
- Worldwide scope, market driven priorities
- Members from across the globe and across the traffic & travel information service chain
  - Including public authorities
- Development, deployment, support of standardisation
  - TPEG traffic and travel information
  - TMC traffic information
  - Other areas of travel information technology

[www.tisa.org](http://www.tisa.org)

# TISA mission

- **Culture:** TISA offers an environment where the values and needs of service and content providers, broadcasters, public authorities and industry meet.
- **Mission:** TISA creates and maintains global, open traffic and traveler information standards and policies that increase the safety and efficiency of traveling.
- **Vision:** TISA coordinates the concerns and contributions of its global membership with the aim to foster business, customer, and society value of TISA standards based services and products.

# TISA structure



# Key TISA Activities

- Use Case procedure
- TPEG application development
- TMC new features (backwards compatible)
- Deployment support - best practices / administration
- Processes leading to Standardisation
- Promotion of travel information standards



## *Standards need a home*

### TISA provides:

- Technical development of applications matched with administrative and deployment support activities
- Use Case procedure provides framework for developing new applications
- Peer review & best practices - a two-way process
- Open standards
- Synergy - a win-win situation!

# Liaisons with Standardisation Organisations

- TISA Members are committed to ongoing international Standardisation to support TISA services and implementations...
- The international Standards Organisations concerned are:
  - ISO -International Standards Organisation
  - CEN -Comité Européene Normalisation
  - ETSI -European Telecommunications Standardisation Institute
- TMC is standardised in the EN ISO 14819-series
- TPEG is standardised in the CEN ISO/TS 18234-series (Binary) and the CEN ISO/TS 24530-series (XML)
- Geo-Referencing is standardised in the ISO 17572-series



# Technical & Standardisation Committee

Brings together the technical development of new features and applications and readies them for either international standardisation or de facto specifications for use amongst TISA members.

- Chairman role shared by Heinz-Werner Pfeiffer of Bosch and Teun Hendriks representing Clear Channel
- Provides a mechanism for the formalisation, specification and standardisation of new applications
- Peer review and sharing of best-practice in new application development
- Liaison with Standardisation Organisations and regional / technology-based associations

# Content & Service Provision Committee

Brings together an end-to-end concern for information content and provision to the end-user.

- Chairman Jonathan Burr of ITIS Holdings
- Collects experience and implementation best practices from large-scale deployment undertaken by members
- Supports informed configuration and specification of TPEG content collection and service provision parameters
- Addresses business models and market impact of developments for validation of technical development choices

# Products Committee

Initiates and coordinates the creation and maintenance of TISA products and safeguards quality

- Chairman Theo Kamalski of TomTom
- TISA products: e.g. specifications and implementation guidelines, message lists in various languages, encryption keys and development & certification tools
- Facilitates distribution - where development work results in new TISA products, the Committee provides a mechanism for publishing to the wider world and coordinating usage.
- Files and administers TISA products and versioning and creates and maintains certification repository

# TISA Working Groups

## Example: TPEG Applications Working group

- Tasked with developing TPEG applications in response to Use Cases submitted by TISA members
- Takes up the role of the former TPEG Forum Standards Task Force. Its membership is made up of a small group of dedicated technical developers
- The most technical group working on TPEG in TISA - in addition to applications, it addresses other topics such as adaptation layers for different bearers.

# Current Use Cases for TPEG

## ■ Weather Information (WEA)

- Weather and related content for travellers, including air pressure, cloud type/cover, flood warning, pollution index, precipitation etc.
- Current information, predicted information and local (area) measured information including 'emergency notifications' related to severe weather situations.

## ■ Fuel Price Information (FPI)

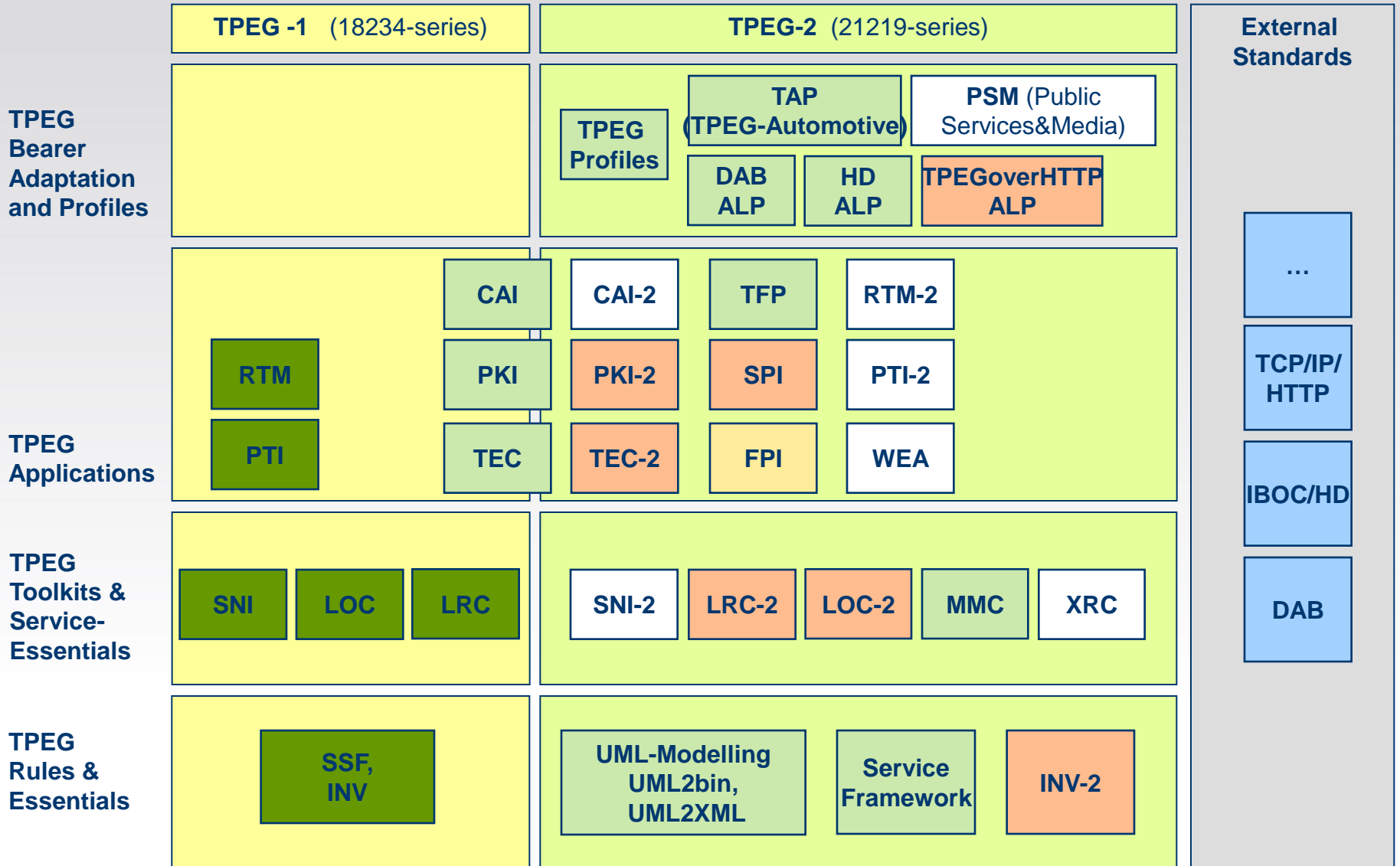
- Static and dynamic data linked with availability and price of vehicle fuels

## ■ Traffic Flow & Prediction (TFP)

- Transmission of status oriented traffic flow information for road networks.
- Data for navigations systems for route guidance and for display to the driver directly. Covers not only current traffic flows but also predicted traffic states.

# TAWG Document Development

## Current Status



# Further TISA Working Groups

- Development of new features for TMC, e.g. addressing
  - New Toll Bridge and Safety events (including ‘Amber-alert’)
  - Coding IVR response number for TMC
- Development and maintenance of lists and tables - e.g. TMC event list, TPEG application tables
- Certification of TMC location tables (160 in 2009!)
- Administration of Service and Application IDs and Conditional Access
- Harmonisation of services across markets and between services and receivers

# Forthcoming TISA Events

## March 2010

- Committees & Steering Board  
9-10 March, NAVTEQ Chicago

## May 2010

- TISA TAWG (TPEG Application Working Group)  
19-20 May 2010, Berlin, Germany

## June 2010

- Committees & Steering Board  
22-23 June , WDR Cologne
- TISA 4th General Assembly  
23 June , WDR Cologne





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